



Network solutions network controllers UE4470

UE4470-22EE690



Model Name > [UE4470-22EE690](#)
Part No. > [1028312](#)



At a glance

- Network-compatible safety controller with a wide range of certified function blocks
- Evaluates and logically links local or remotely connected safety sensors and actuators
- Flexibly expandable with remote I/O units in IP 20 or IP 67
- 16 safety inputs / 8 safety outputs
- Remote configuration of other DeviceNet Safety™ devices via the network

Your benefits

- Freely configurable and flexible safety automation software allows the conversion of both easy and complex tasks, providing increased user flexibility
- Modular expandability and remote I/O reduce costs and provide maximum network flexibility
- Predefined functions ensure fast implementation of the application, e.g., different muting variants or functions that provide complete press protection



Applications

Safety command devices:	✓
Electro-mechanical safety switches:	✓
Non-contact safety switches:	✓
Opto-electronic protective devices:	✓
Two-hand control systems:	✓
Operating mode selector switch:	✓
Muting sensors:	✓
Muting lamp:	✓

Functions

Safe device communication via EFI/SDL:	-
External device monitoring:	✓
Reset/restart:	Manual/automatic/configurable
Logical functions:	AND, NOT, OR, XNOR, XOR
On-delay:	✓
Off-delay:	✓
Door monitoring:	✓
Signal routing:	✓

Technical data

Enclosure rating:	IP 20
Ambient operating temperature from ... to:	-10 °C ... 55 °C
Protection class:	III (EN 61140)
Safety integrity level:	SIL3 (IEC 61508)
Category:	Category 4 (EN ISO 13849)
Performance level:	PL e (EN ISO 13849)
PfHd:	4.2 * 1E-10
TM (mission time):	20 a
Maximum power consumption:	≤ 4 mA
Connection type supply voltage:	Spring terminal plug
Number of safety inputs:	8 dual-channel or 16 single-channel
Input voltage HIGH field signal inputs:	11 V DC, 30 V DC
Input delay field signal inputs:	Configurable 0 ... 126 ms
Number of test/signal outputs (with current monitoring):	4 (0)
Type of output test/signal outputs:	PNP semiconductor
Output current test/signal outputs:	700 mA
Number of safe outputs:	4 dual-channel or 8 single-channel
Type of output safety capable outputs:	Current sourcing (PNP)
Maximum switching current safety capable outputs:	500 mA
Maximum number originator connections:	16
Maximum number of safety target connections:	4
DeviceNet communication rate:	125 kbit/s, 250 kbit/s, 500 kbit/s, Autobaud detection
Connection type DeviceNet:	Spring terminal block

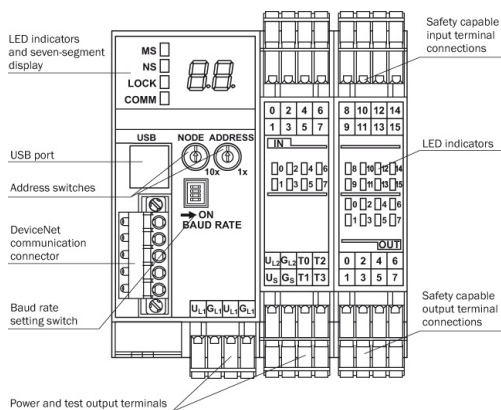
Electrical data

Fieldbus:	DeviceNet Safety
Supply voltage:	20.4 V DC, 26.4 V DC

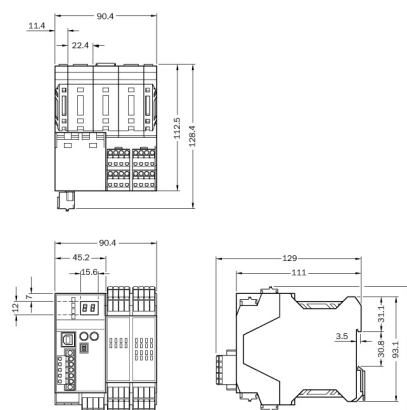
Ambient data

Weight:	460 g
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Connection diagram



Dimensional drawing



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